

IN THE CLAIMS

1 – 18 (Cancelled)

19. (Currently amended) A method of cleaning a solid surface which comprises treating said surface with a cleaning composition as defined in Claim 1 comprising a dichloroethylene (I) and one or more alkoxy-substituted perfluoro compounds that contain six carbon atoms (HFE6C) of the formula (II) R_1-O-R_2 where R_1 is perfluorobutyl and R_2 is ethyl, or R_1 is perfluoropentyl and R_2 is methyl, or mixtures thereof, and an additive selected from the groups consisting of:

(A) a highly fluorinated compound of the formula $C_aF_bH_cX_d$ where a is an integer from 2 to 8, b is an integer greater than a but less than $2a+2$, d is 0,1, or 2, and c is less than or equal to $2a+2-b-d$ and X is O, N, halogen, or Si, and combinations thereof;

(B) an enhancement agent selected from the group consisting of alcohols, esters, ethers, cyclic ethers, ketones, alkanes, aromatics, amines, siloxanes, terpenes, dibasic esters, glycol ethers, pyrrolidones, low or non-ozone depleting halogenated hydrocarbons, and mixtures thereof; and

(C) mixtures thereof.

20. (Original) The method of Claim 19, wherein the solid surface is a printed circuit board, silicon wafer, electrical component or microelectronic device.

21. (Original) The method of Claim 19, wherein the solid surface is an optical device, lens or optical mold.

22. (Original) The method of Claim 19, wherein the solid surface is metal, plastic, cloth or glass.

23. (Original) The method of Claim 19, wherein the composition is contacted with the surface at a temperature from 32°F. (0°C.) to and including the boiling point of the composition.

24. (Original) The method of Claim 19 wherein the solid surface is heated to a temperature above the boiling point of the composition then the solid surface is contacted with the composition.

25. (Original) The method of Claim 24 wherein the mixture is contacted with the heated surface as a liquid or an aerosol.

26 (Original) The method of Claim 19, where the mixture is contacted with the surface as an aerosol.

27. (Original) The method of Claim 19, where the mixture is contacted with the surface as a liquid.

28. (Original) The method of Claim 19, where the mixture is contacted with the surface as a vapor.

29. (Currently amended) A method of solvating a solid or liquid material by contacting said material with a composition ~~as defined in Claim 1 comprising a dichloroethylene (I) and one or more alkoxy-substituted perfluoro compounds that contain six carbon atoms (HFE6C) of the formula (II) R₁-O-R₂ where R₁ is perfluorobutyl and R₂ is ethyl, or R₁ is perfluoropentyl and R₂ is methyl, or mixtures thereof, and an additive selected from the groups consisting of:~~

(A) a highly fluorinated compound of the formula C_aF_bH_cX_d where a is an integer from 2 to 8, b is an integer greater than a but less

than $2a+2$, d is 0,1, or 2, and c is less than or equal to $2a+2-b-d$ and X is O, N, halogen, or Si, and combinations thereof;

(B) an enhancement agent selected from the group consisting of alcohols, esters, ethers, cyclic ethers, ketones, alkanes, aromatics, amines, siloxanes, terpenes, dibasic esters, glycol ethers, pyrrolidones, low or non-ozone depleting halogenated hydrocarbons, and mixtures thereof; and

(C) mixtures thereof.

30. (Original) The method of Claim 29, where the composition is contacted with the material in a temperature range from 32°F. (0°C.) to and including the boiling point of the composition to thereby dissolve the material.

31. (Original) The method of Claim 20, wherein the solid surface to be cleaned is contaminated with flux, resin, adhesive, oil, grease, photoresist, polymers, or combinations thereof.

32. (Original) The method of Claim 21, wherein the solid surface to be cleaned is contaminated with flux, rosin, ink, wax, dirt, resin, adhesive, buffing compound, oil, grease, polymers, or combinations thereof.

33. (Original) The method of Claim 22, wherein the solid surface to be cleaned is contaminated with dirt, flux, rosin, resin, ink, wax, adhesive, paint, latex, oil, polymers, or combinations thereof.